

**Notice of Allowability**

Application No.

09/966,354

Examiner

Prabodh M. Dharja

Applicant(s)

SATAKE, RUMO

Art Unit

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12-12-2007.
2. ☒ The allowed claim(s) is/are 1,3,4,6-10,16,19-23 and 25-29.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>12-12-2007</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

1. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2629. Receipt is acknowledged of papers submitted on 12-12-2007 under amendments and request for continuation examination (RCE), which have been placed of record in the file. Claims 1, 3, 4, 6- 10, 16, 19-23 and 25-29 are pending. Claims 2, 5, 11-15, 17, 18 and 24 have been cancelled.

***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 12-12-2007 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

***Response to Amendment***

3. The amendment filed 12-12-2007 does not introduce any new matter into the disclosure. The amendment is supported by the original disclosure. Applicant has cancelled all the rejected claims 2, 5, 11-14 and 17 to expedite allowance of the instant application. Claims 1, 3, 4, 6- 10, 16, 19-23 and 25-29 were allowed in earlier office actions and Claims 15 and 18 were cancelled in 11-08-2004 response and Claim 24 was cancelled in 08-02-2007 response.

4. Applicant arguments filed on 12-12-2007, under remark regarding allowable limitations "a response time of liquid crystal when a voltage value is changed from the first signal voltage to the second signal voltage is calculated, and in an order from a pixel in which the calculated response time of liquid crystal is long, the potential of the second signal voltage is applied to the

pixel electrode of the pixel in the second sub-frame period; applying a potential of a first signal voltage to the first and second pixel electrode and applying a potential of a second signal voltage to the second pixel electrode, wherein a difference between an absolute value of the first signal voltage and the second signal voltage is larger than 0 volt and smaller than 0.5 volt; and deciding an order of applying the second signal voltages to the plurality of pixel electrodes in accordance with a voltage difference between the first and second signal voltages of the corresponding pixel electrodes” are persuasive; as after further extensive search and consideration, independent claims 1, 3, 7 and 19-22 do overcome prior art cited on 892’s 1449’s, searched in NPL and searched in PGPUB; which puts application number 09966354 in condition for allowance.

***Allowable Subject Matter***

5. Claims 1, 3, 4, 6- 10, 16, 19-23 and 25-29 are allowed.
6. The following is an examiner’s statement of reasons for allowance:
7. Applicant has cancelled all the rejected claims 2, 5, 11-14 and 17 to expedite allowance of the instant application. Claims 1, 3, 4, 6- 10, 16, 19-23 and 25-29 were allowed. Applicant’s arguments filed on 12-12-2007 are convincing. As argued by applicant in remarks under claim rejection page 8; prior arts of Tokuro (US 6,424, 331 B1), Yamazaki; Suguru (US 6522319 B1), BOLOTSKI, MICHAEL et al. (US 2003/0043093 A1).with all of the other prior art cited on 892’s 1449’s, searched in NPL and searched in PGPUB, fails to recite or disclose all the other limitations of independent claims in combination with uniquely distinct features represented by underlined bold claim limitations recited below;

"a response time of liquid crystal when a voltage value is changed from the first signal voltage to the second signal voltage is calculated, and in an order from a pixel in which the calculated response time of liquid crystal is long, the potential of the second signal voltage is applied to the pixel electrode of the pixel in the second sub-frame period; applying a potential of a first signal voltage to the first and second pixel electrode and applying a potential of a second signal voltage to the second pixel electrode, wherein a difference between an absolute value of the first signal voltage and the second signal voltage is larger than 0 volt and smaller than 0.5 volt; and deciding an order of applying the second signal voltages to the plurality of pixel electrodes in accordance with a voltage difference between the first and second signal voltages of the corresponding pixel electrodes".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

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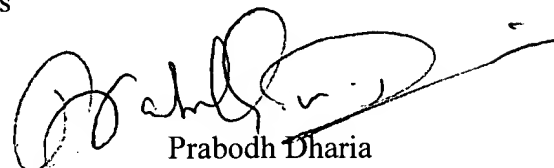
9. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231



Prabodh Dharia

/PRABODH DHARIA/

Primary Examiner

Full Signatory Authority

AU2629

February 04, 2008